

COLLECTION OF ROADWAY CONDITION DATA ON THE NON-FEDERAL AID ELIGIBLE ROADS AND STREETS

TRANSPORTATION ASSET MANAGEMENT COUNCIL

Adopted on August 2, 2006

PURPOSE: The Transportation Asset Management Council (TAMC) is interested in participating with local road agencies to collect roadway condition data on the non-federal aid eligible roads and streets. The purpose of this effort is to collect PASER data in order to inventory and determine the current condition of this portion of Michigan's public roads and streets. The data will be used to report to the Legislature and for modeling purposes (in the future).

BACKGROUND: MCL 247.659a requires the collection of roadway condition data on all roads and streets. The TAMC is the group directed by state law to oversee this data collection effort. Many agencies have been collecting PASER data on their non-federal aid eligible roads and streets as part of their RoadSoft activities. Others are interested in beginning to collect such data to complete the inventories begun through the TAMC process. Consequently, the TAMC is interested in obtaining any data that has been collected by local agencies within the last two years (2004 and 2005). In addition, the TAMC is willing to reimburse an agency that chooses to collect PASER data on its local system during the next two years (2006 and 2007). In order for an agency to receive reimbursement, the collection of this data must be done in accordance with the guidelines below,

An agency can either collect the data on their own, provided they follow the guidelines below, or they can work with their respective metropolitan or regional planning organization.

REQUIREMENTS: Because the TAMC has a limited amount of money to do this, each agency is required to register with the TAMC before the TAMC will agree to consider reimbursement for the data. You can register by contacting the TAMC Coordinator Rick Lilly at lillyr@michigan.gov or 517-335-2606. Please include the number of miles of non-federal aid eligible roads that you have data for or are planning on rating.

Data collection will not be necessary on gravel roads. Data collection can be flexible in approach but, at a minimum, should address the following tasks:

Data Collection: Describe the method of data collection that you used or will be using. Describe what data items you collected or will be collecting and when you collected it or will be collecting it. Data collection should not be done during the months of December through March. At a minimum you should collect number of lanes and pavement type, in addition to the PASER rating. Data should be collected digitally and related to the PR referencing scheme used in the Center for Geographic Information's "Framework." Data collection for 2006 must be consistent with the PASER collection business rules used on the federal-aid system.

Equipment: Describe the equipment you will be using. This should include both the hardware and software. Also describe any GPS equipment or mechanical equipment you might be using to collect the data. Also indicate the type of vehicle that will be used.

Staffing/Training: Describe the "rating team" or method that will be used to collect the data. How many people will be in the vehicle? What background or qualifications do they bring to the effort? Describe your training procedures for the members of the rating team. For any collection efforts in 2006 and 2007 the raters should have been trained in the PASER rating method. Provide dates as to when the raters were trained and by whom.

Quality Assurance/Control: Describe your quality assurance/control procedures, including methodology for checking data accuracy. Are you using a daily review at the end of the day or a sampling process? The Council will apply a sample method to evaluate the quality of the data received. Reimbursement will be made if data quality meets or exceeds that which is currently on the federal-aid system.

Reporting: In order to be reimbursed all agencies who participate in the effort will be required to file a report with the TAMC within 30 days of the completion of their data collection. It must include a copy of the digital data in a manner prescribed by TAMC. The report should, at a minimum, describe the methodology used; the cost to collect and process the data; the total time it took to collect the data; the total number of miles rated; and the total number of miles driven. The report should include recommendations, lessons learned and comments from participating agencies.

Reimbursement: If an agency has not collected data on its hard surfaced non-federal aid eligible roads and streets and wants to, the TAMC will reimburse them at the rate of \$11.65 per mile. This is the average cost per mile from the pilot studies conducted last year. Reimbursement will be made if data quality meets or exceeds that which is currently on the federal-aid system. If the data cannot be migrated into the Center for Geographic Information's database, the TAMC will not pay for it. For the proper format contact Rob Surber at surberr@michigan.gov.